

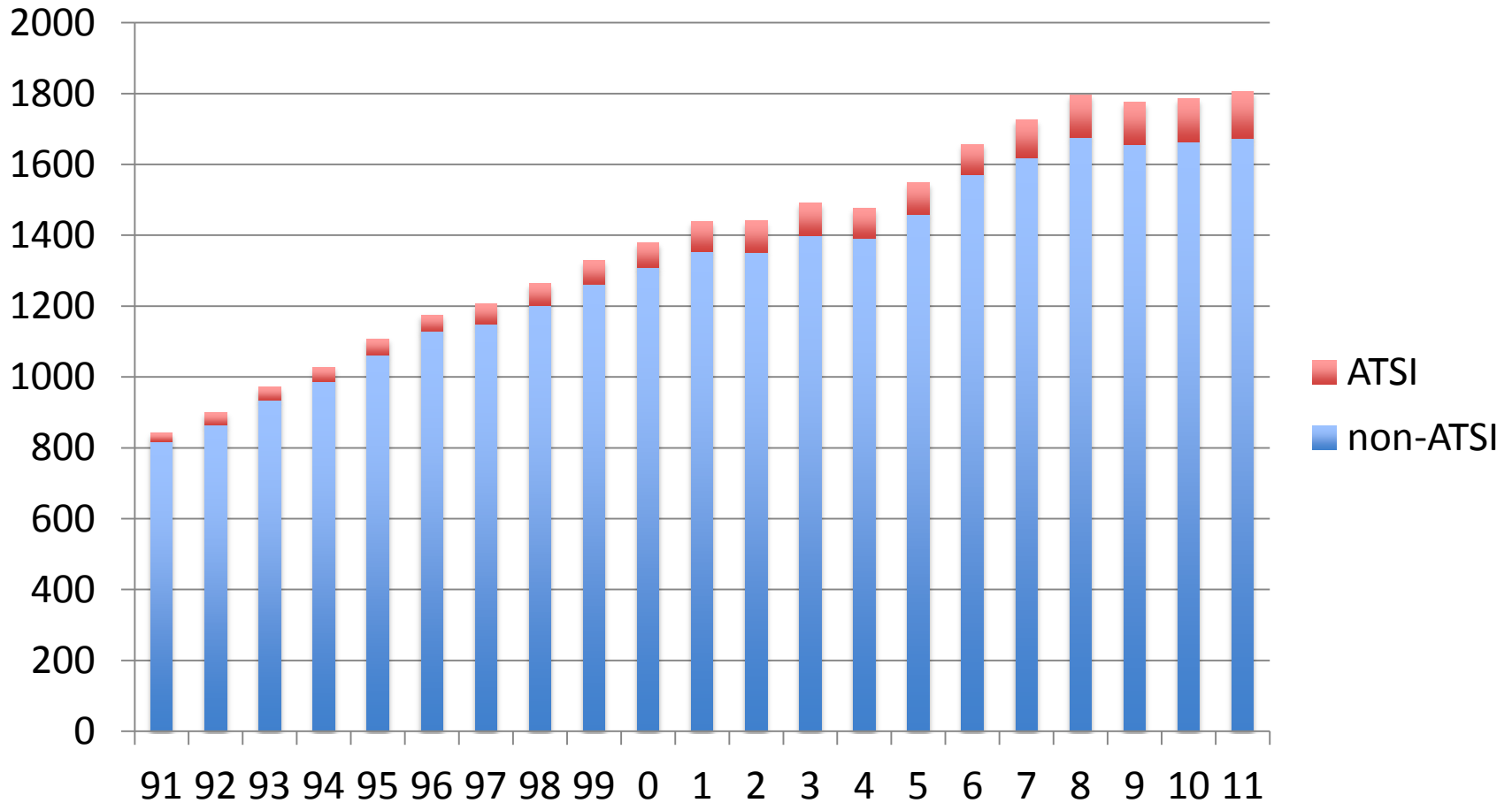
Transplantation in NSW

Non-ATSI and ATSI 1990-2011

Paul Snelling

Prevalent Dialysis Patients - NSW

1991-2011, age <65

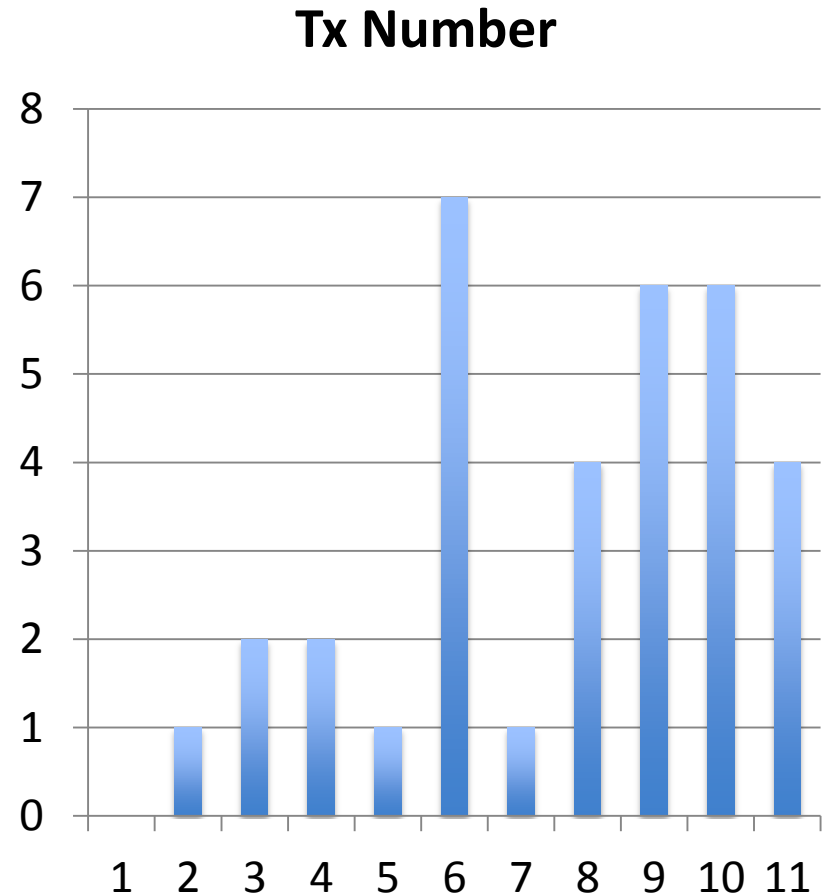


NSW ATSI transplant activity

2001 - 2011

- NSW ATSI 13% of total national ATSI Tx activity

	Non-ATSI	ATSI
DD	1349	30
LD	961	4
Total	2310	34



Tx Waiting List NSW

at 12/2010

Wait-listed Patients

	Non-ATSI	ATSI
Number	474/3297	14/144
%	14.4	9.7

Sensitisation

	Non-ATSI	ATSI
0-20	400	11
21-50	36	1
>50	38	2

Non cause for non-acceptance onto
Wait list not collected

Demographic / Immunologic

NSW 1990-2011*

	Non-ATSI (3,321)	ATSI (49)	P-value
Sex (F/M)	38/62	52/48	0.28
Age at TX	46 (34-55)	40 (30-47)	0.003
Donor Age	46 (32-55)	45 (24-58)	0.83
DD (%)	65	44	<0.001
HLA mismatch			0.039
0-2	47	39	
3-4	35	29	
5-6	19	32	
Peak PRA			0.083
0-20	64	49	
21-50	17	26.5	
51-100	19	24.5	

*1990 – 1999

non-ATSI 1343

ATSI 22

2000 – 2011

non-ATSI 1978

ATSI 27

Immediate function / Rejection

NSW Tx 2001-2011

Immediate Function

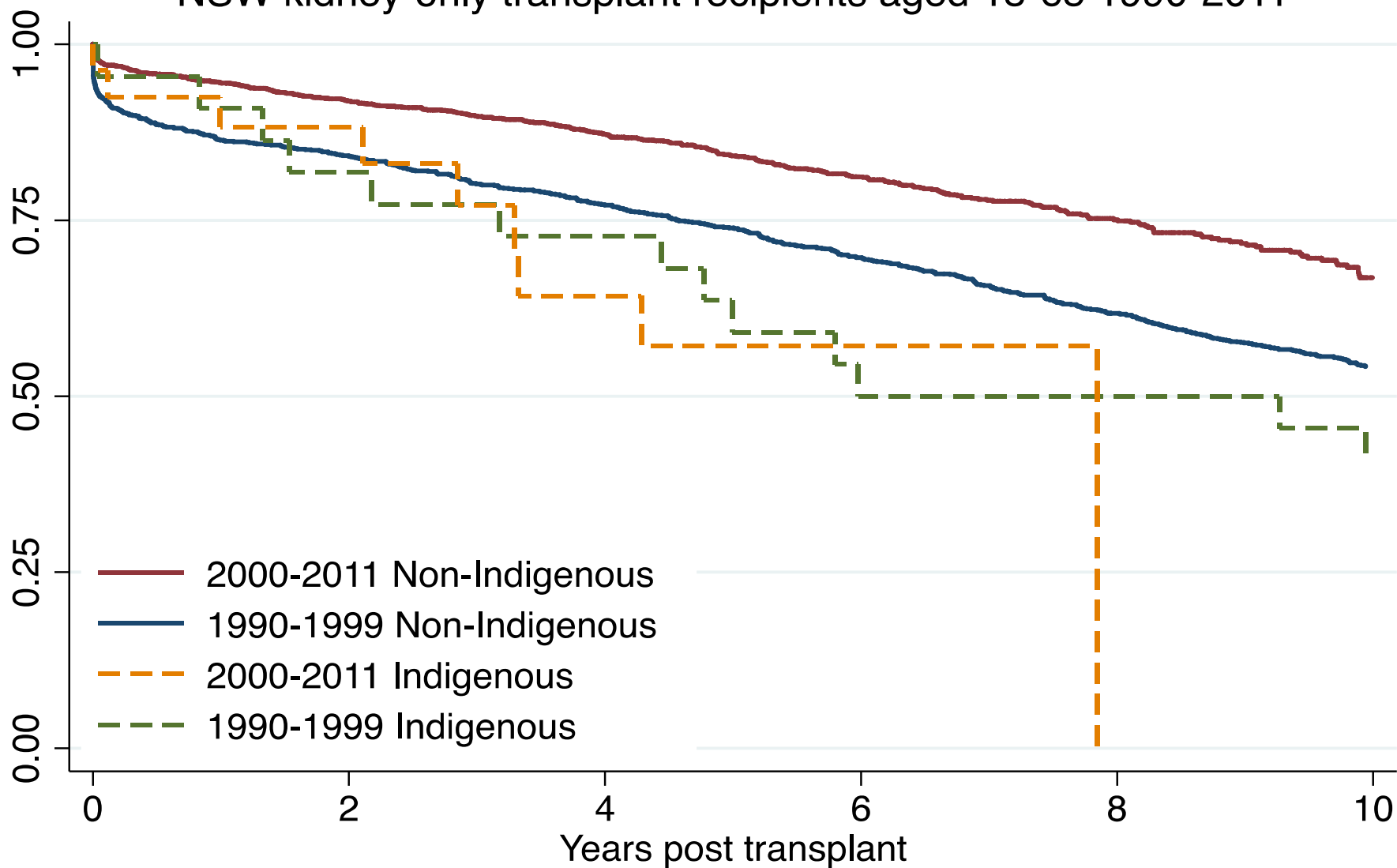
	Non-ATSI	ATSI
Fall >10%	59.6	42.3
Fall <10%	7.7	3.9
No fall	9.7	15.4
Dialysis within 72 Hr	23	38.5

Rejection within 6/12

	Non-ATSI	ATSI
No	80	77
Yes	20	23

Graft survival

NSW kidney-only transplant recipients aged 15-65 1990-2011



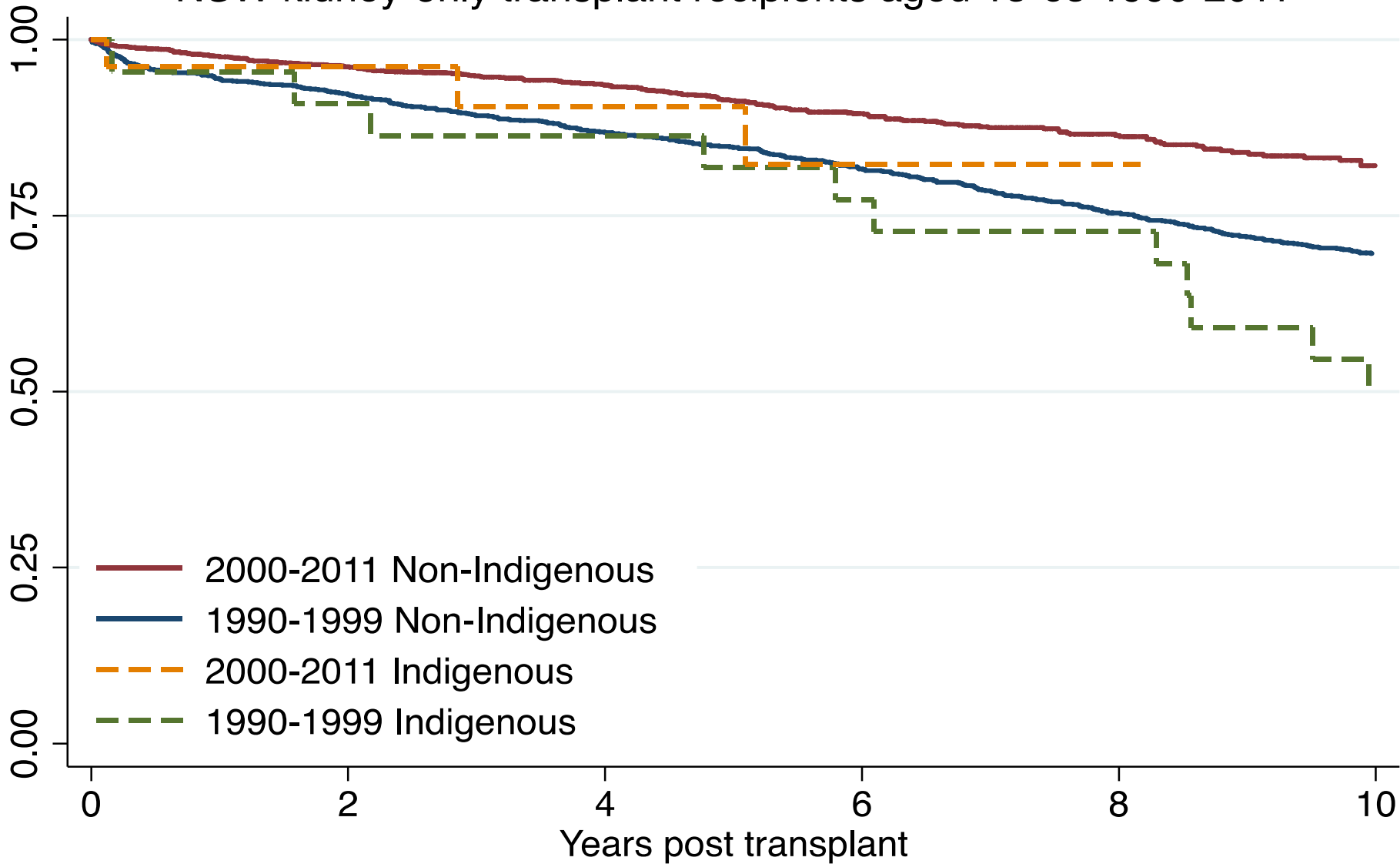
Causes of Graft Loss

NSW 1990 - 2011

Cause of graft loss	Non-ATSI (1,228/3,321)	ATSI (26/49)
Technical	26	0
Vascular	81	1
Hyperacute rejection	9	0
Acute rejection	73	1
Chronic Allograft Nephropathy	345	11
GN	51	1
Non-compliance	18	4
Other	67	2
Death with function	558	6

Patient survival

NSW kidney-only transplant recipients aged 15-65 1990-2011



Cause of Death

NSW Tx 1990 - 2011

Cause of death	Non-ATSI (859/3321)	ATSI (15/49)
Cardiac	261 (30.4)	8 (53)
Vascular	101 (11.8)	0
Infection	171 (19.9)	3 (20)
Malignancy	160 (18.6)	1 (7)
Social	69 (8.0)	1 (7)
Miscellaneous	97 (11.3)	2 (13)

Infectious Deaths

NSW Tx 1990 - 2011

Cause of Death	Non-ATSI (171)	ATSI (3)
CNS	12	0
bacterial	3	
fungal	4	
protozoal	2	
viral	2	
other	1	
LUNG	56	1
bacterial	36	
fungal	5	
protozoal	4	
viral	3	1
other	8	
Septicaemia	65	1
bacterial	37	
fungal	3	1
viral	3	
other	22	
Wound (bacterial)	13	1
UTI (bacterial)	1	
Liver (viral)	3	
Other	21	